

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| L1    | 245  | sensor adj array and (fingerprint or finger adj print or finger or finger adj tip) and (infrared adj light or nearinfrared or IR or infrared adj sensor)and visible adj spectrum  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/01/25<br>16:40 |
| L3    | 231  | L1 and(different adj wave adj length or wavelength)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/01/25<br>16:42 |
| L4    | 210  | L3 and(@ad<"20040902" or @rlad<"20040902" or @prad<"20040902" or @ptad<"20040902")  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/01/25<br>16:42 |
| L5    | 162  | L4 and @ad<"20040902"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/01/25<br>16:43 |
| L6    | 1470 | (fingerprint or finger adj print or finger or finger adj tip)and (infrared adj light or nearinfrared or IR or infrared adj sensor)and visible adj spectrum  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/01/25<br>17:23 |
| L7    | 17   | L6 and captur\$4 adj image\$1 and(fingerprint or finger adj print or finger or finger adj tip) same(infrared adj light or nearinfrared or IR or infrared adj sensor)and visible adj spectrum  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/01/25<br>17:24 |
| L8    | 13   | L7 and captur\$4 adj image\$1 and(fingerprint or finger adj print or finger or finger adj tip) same(infrared adj light or nearinfrared or IR or infrared adj sensor)and visible adj spectrum and(different adj wave adj length or wavelength) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/01/25<br>17:25 |

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| L9  | 5    | L8 and @ad<"20040902"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>17:25 |
| L10 | 0    | captur\$4 adj image\$1 same<br>(infrared adj light or<br>nearinfrared or IR or infrared<br>adj sensor)same(fingerprint<br>or finger adj print or finger or<br>finger adj tip)same visible adj<br>spectrum same(different adj<br>wave adj length or<br>wavelength) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>17:37 |
| L11 | 3568 | (infrared adj light or<br>nearinfrared or IR or infrared<br>adj sensor)same(fingerprint<br>or finger adj print or finger or<br>finger adj tip)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>17:40 |
| L12 | 22   | (infrared adj light or<br>nearinfrared or IR or infrared<br>adj sensor)same(fingerprint<br>or finger adj print or finger or<br>finger adj tip)same visible adj<br>spectrum  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>17:41 |
| L13 | 14   | L12 and(@ad<"20040902" or<br>@rlad<"20040902" or<br>@prad<"20040902" or<br>@ptad<"20040902")  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>17:41 |
| L14 | 13   | L12 and @ad<"20040902"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>17:43 |
| L15 | 17   | L12 and(different adj wave<br>adj length or wavelength)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:36 |
| L16 | 0    | L15 and emitting and plurality<br>adj lights and different adj<br>wavelength and living adj<br>body   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:37 |
| L17 | 0    | L15 and different adj<br>wavelength and living adj<br>body  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:38 |

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| L18 | 0   | L15 and emitting and first adj light and(different adj wave adj length or wavelength)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:39 |
| L19 | 107 | (infrared adj light or nearinfrared or IR or infrared adj sensor)same(fingerprint or finger adj print or finger or finger adj tip)and emitting and first adj light and (different adj wave adj length or wavelength)                     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:40 |
| L20 | 3   | (infrared adj light or nearinfrared or IR or infrared adj sensor)same(fingerprint or finger adj print or finger or finger adj tip)same emitting same first adj light same (different adj wave adj length or wavelength)                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:41 |
| L21 | 2   | L20 and @ad< "20040902"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:41 |
| L22 | 2   | L21 and(infrared adj light or nearinfrared or IR or infrared adj sensor)same(fingerprint or finger adj print or finger or finger adj tip)same emitting same second adj light same (different adj wave adj length or wavelength)          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:41 |
| L23 | 0   | L22 and misalignment   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:47 |
| L24 | 96  | (infrared adj light or nearinfrared or IR or infrared adj sensor)same(fingerprint or finger adj print or finger or finger adj tip)and emitting and first adj light and second adj light and(different adj wave adj length or wavelength) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:47 |

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| L25 | 5  | (infrared adj light or nearinfrared or IR or infrared adj sensor)same(fingerprint or finger adj print or finger or finger adj tip)same emitting same first adj light and second adj light same (different adj wave adj length or wavelength)        | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:48 |
| L26 | 3  | L25 and @ad< "20040902"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:48 |
| L27 | 0  | L26 and(camera or ccd or CMOS)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:53 |
| L28 | 30 | L24 and(camera or ccd or CMOS)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:54 |
| L29 | 1  | L28 and(infrared adj light or nearinfrared or IR or infrared adj sensor)same(fingerprint or finger adj print or finger or finger adj tip)same emitting same first adj light and second adj light same (different adj wave adj length or wavelength) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:54 |
| L30 | 0  | L29 and @ad< "20040902"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:54 |
| L31 | 30 | L24 and(camera or ccd or CMOS or biosensor)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:57 |
| L32 | 30 | L31 and emitting and (different adj wave adj length or wavelength)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:58 |

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| L33 | 1   | L32 and(infrared adj light or nearinfrared or IR or infrared adj sensor)same(fingerprint or finger adj print or finger or finger adj tip)same emitting same first adj light and second adj light same (different adj wave adj length or wavelength) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:58 |
| L34 | 18  | L32 and @ad< "20040902"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:58 |
| L35 | 18  | L34 and emitting and (different adj wave adj length or wavelength)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>18:59 |
| L36 | 0   | L35 and misalignment  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>19:11 |
| L37 | 5   | L35 and(misalignment or alignment)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>19:11 |
| L38 | 2   | L37 and authenticat\$3  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/25<br>19:12 |
| S1  | 0   | "samir-ahmed.xp"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/23<br>17:13 |
| S2  | 761 | Ahmed-Sam\$.xp.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/23<br>17:15 |
| S3  | 63  | Ahmed-Sam\$.xa.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/23<br>17:15 |

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| S4  | 93  | S2 and(fingerprint or finger<br>adj print) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/23<br>17:16 |
| S5  | 12  | S4 and(red or green or blue)<br>and colors | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/23<br>17:17 |
| S6  | 0   | S5 and dispersion                          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/23<br>17:17 |
| S7  | 4   | S3 and(fingerprint or finger<br>adj print) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/23<br>17:23 |
| S8  | 7   | S4 and infrared adj light                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/23<br>17:25 |
| S9  | 2   | S8 and(red or green or blue)<br>and colors | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/23<br>17:25 |
| S10 | 0   | S7 and infrared adj light                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/23<br>17:26 |
| S11 | 0   | S7 and(red or green or blue)<br>and colors | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/23<br>17:26 |
| S12 | 761 | Ahmed-Sam\$.xp.                            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>13:37 |
| S13 | 63  | Ahmed-Sam\$.xa.                            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>13:37 |

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| S14 | 193 | S12 and(red or green or blue) and(colors or filters)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>13:38 |
| S15 | 0   | S14 and dispersion adj light   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>13:38 |
| S16 | 120 | S14 and(plurality or plural\$1) and(light or source or infrared adj light)                             | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>13:44 |
| S17 | 7   | S14 and(plurality or plural\$1) and infrared adj light   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>13:44 |
| S18 | 3   | S17 and(fingerprint or finger adj print or finger)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>13:44 |
| S19 | 3   | S18 and(@ad< "20040902" or @rlad< "20040902" or @prad< "20040902" or @ptad< "20040902")                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>13:52 |
| S20 | 3   | S18 and @ad< "20040902"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>13:52 |
| S21 | 0   | S14 and(fingerprint or finger adj print or finger)same (plurality or plural\$1)same infrared adj light | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>13:55 |
| S22 | 3   | S14 and(fingerprint or finger adj print or finger)and (plurality or plural\$1)and infrared adj light   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>13:56 |
| S23 | 3   | S22 and @ad< "20040902"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>13:56 |

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| S24 | 1  | S23 and different adj wavelength   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>13:57 |
| S25 | 2  | S23 and wavelength   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:03 |
| S26 | 27 | S13 and(red or green or blue) and(colors or filters)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:22 |
| S27 | 0  | S26 and dispersion adj light   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:22 |
| S28 | 10 | S26 and(plurality or plural\$1) and(light or source or infrared adj light)                           | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:23 |
| S29 | 0  | S28 and(fingerprint or finger adj print or finger)and (plurality or plural\$1)and infrared adj light | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:23 |
| S30 | 0  | S28 and wavelength   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:24 |
| S31 | 10 | S28 and(@ad<"20040902" or @rlad<"20040902" or @prad<"20040902" or @ptad<"20040902")                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:24 |
| S32 | 0  | S31 and(fingerprint or finger adj print or finger or finger adj tip)                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:25 |
| S33 | 1  | S26 and(fingerprint or finger adj print or finger or finger adj tip)                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:25 |



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| S34 | 1    | S33 and @ad<"20040902"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:26 |
| S35 | 10   | S31 and @ad<"20040902"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:29 |
| S36 | 0    | S35 and(fingerprint or finger<br>adj print or finger or finger<br>adj tip or skin)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:31 |
| S37 | 7    | S13 and(fingerprint or finger<br>adj print or finger or finger<br>adj tip or skin)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:31 |
| S38 | 0    | S37 and(fingerprint or finger<br>adj print or finger)and<br>(plurality or plural\$1)and<br>infrared adj light  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:31 |
| S39 | 3    | S37 and(fingerprint or finger<br>adj print or finger)and<br>(plurality or plural\$1 or<br>infrared adj light or light adj<br>source)                                       | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:32 |
| S40 | 3    | S39 and @ad<"20040902"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:32 |
| S41 | 0    | S40 and(red or green or blue)<br>and(colors or filters)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:32 |
| S42 | 6951 | wave adj length and<br>(fingerprint or finger adj print<br>or finger or finger adj tip or<br>skin)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>14:33 |
| S43 | 0    | (information adj processing<br>and emitting and plurality adj<br>lights and wavelength and<br>living adj body and dispersed<br>adj light and signal adj<br>processin).CLM. | US-PGPUB  | OR | ON | 2009/01/24<br>14:43 |

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| S44 | 0    | (information adj processing and emitting and plurality adj lights and different adj wavelength and living adj body and dispersed adj light and signal adj processin). CLM. | US-PGPUB  | OR | ON | 2009/01/24 14:43 |
| S45 | 0    | (emitting and plurality adj lights and different adj wavelength and living adj body and dispersed adj light and signal adj processin). CLM.                                | US-PGPUB  | OR | ON | 2009/01/24 14:44 |
| S46 | 0    | S42 and emitting and plurality adj lights and different adj wavelength and living adj body and dispersed adj light   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24 14:45 |
| S47 | 3178 | S42 and(red or green or blue) and(colors or filters)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24 14:46 |
| S48 | 3    | S47 and emitting and plurality adj lights and different adj wavelength and living adj body   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24 14:46 |
| S49 | 3    | S48 and(@ad< "20040902" or @rlad< "20040902" or @prad< "20040902" or @ptad< "20040902")  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24 14:47 |
| S50 | 3    | S48 and @ad< "20040902"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24 14:47 |
| S51 | 0    | (information adj processing and emitting adj means and dispersion adj means and living adj body and separation adj means and different adj wavelength).CLM.                | US-PGPUB  | OR | ON | 2009/01/24 14:56 |
| S52 | 0    | ((information adj processing and emitting adj means and dispersion adj means and living adj body and separation adj means and different adj wavelength)).CLM.              | US-PGPUB  | OR | ON | 2009/01/24 14:56 |

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|-----|-----|---|---|----|----|------------------|
| S53 | 0   | ((information adj processing and emitting and dispersion and living adj body and separation and different adj wavelength)).CLM. | US-PGPUB  | OR | ON | 2009/01/24 14:57 |
| S54 | 0   | (information adj processing and emitting and dispersion and living adj body and separation and different adj wavelength).CLM.   | US-PGPUB  | OR | ON | 2009/01/24 14:57 |
| S55 | 0   | (processing and emitting and dispersion adj lights and living adj body and separation and different adj wavelength). CLM.       | US-PGPUB  | OR | ON | 2009/01/24 14:58 |
| S56 | 0   | (processing and emitting and dispersion adj lights and living adj body and separation and wavelength).CLM.                      | US-PGPUB  | OR | ON | 2009/01/24 14:58 |
| S57 | 0   | (emitting and dispersion adj lights and living adj body and separation and wavelength). CLM.                                    | US-PGPUB  | OR | ON | 2009/01/24 14:58 |
| S58 | 0   | (emitting adj light and dispersion adj lights and living adj body and wavelength adj different).CLM.                            | US-PGPUB  | OR | ON | 2009/01/24 15:01 |
| S59 | 279 | ((HIDEO) near2 (SATO)).INV.   | US-PGPUB;<br>USPAT                                      | OR | ON | 2009/01/24 15:01 |
| S60 | 0   | S59 and emitting and plurality adj lights and different adj wavelength and living adj body and dispersed adj light              | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24 15:02 |
| S61 | 0   | S59 and dispersion adj light  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24 15:03 |
| S62 | 0   | S59 and emitting and plurality adj lights and different adj wavelength and living adj body                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24 15:03 |
| S63 | 48  | S59 and(red or green or blue) and(colors or filters)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24 15:03 |

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| S64 | 32  | S63 and(plurality or plural\$1) and(light or source or infrared adj light)                             | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:04 |
| S65 | 4   | S64 and(fingerprint or finger adj print or finger or finger adj tip)                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:04 |
| S66 | 0   | S65 and dispersion adj light   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:04 |
| S67 | 2   | S65 and(@ad<"20040902" or @rlad<"20040902" or @prad<"20040902" or @ptad<"20040902")                    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:05 |
| S68 | 1   | S67 and @ad<"20040902"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:05 |
| S69 | 1   | S68 and(fingerprint or finger adj print or finger or finger adj tip)                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:08 |
| S70 | 0   | (processing and dispersion adj lights and living adj body and separation and wavelength).CLM.          | US-PGPUB  | OR | ON | 2009/01/24<br>15:14 |
| S71 | 214 | different adj wave adj length and(fingerprint or finger adj print or finger or finger adj tip or skin) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:16 |
| S72 | 120 | S71 and(plurality or plural\$1) and(light or source or infrared adj light)                             | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:17 |
| S73 | 112 | S72 and(@ad<"20040902" or @rlad<"20040902" or @prad<"20040902" or @ptad<"20040902")                    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:18 |

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| S74 | 52  | S73 and(camera or ccd or CMOS)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:18 |
| S75 | 42  | S74 and @ad<"20040902"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:18 |
| S76 | 2   | S75 and dispersion adj light  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:19 |
| S77 | 0   | S74 and blood and extract\$3<br>adj unit  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:21 |
| S78 | 0   | S71 and blood and extract\$3<br>adj unit  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:21 |
| S79 | 664 | blood and extract\$3 adj unit   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:21 |
| S80 | 209 | S79 and(fingerprint or finger<br>adj print or finger or finger<br>adj tip or skin)                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:24 |
| S81 | 89  | S80 and(plurality or plural\$1)<br>and(light or source or infrared<br>adj light)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:25 |
| S82 | 0   | S81 and different adj wave<br>adj length and(fingerprint or<br>finger adj print or finger or<br>finger adj tip or skin) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:25 |
| S83 | 39  | S81 and wavelength and<br>(fingerprint or finger adj print<br>or finger or finger adj tip or<br>skin)                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:25 |

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| S84 | 35   | S83 and(@ad<"20040902" or @rlad<"20040902" or @prad<"20040902" or @ptad<"20040902")                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:26 |
| S85 | 32   | S83 and @ad<"20040902"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:26 |
| S86 | 1850 | wavelength adj different and (fingerprint or finger adj print or finger or finger adj tip or skin) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:38 |
| S87 | 231  | S86 and different adj wavelength and first adj lights  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:39 |
| S88 | 217  | S87 and different adj wavelength and second adj lights   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:40 |
| S89 | 171  | S88 and(@ad<"20040902" or @rlad<"20040902" or @prad<"20040902" or @ptad<"20040902")                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:40 |
| S90 | 134  | S88 and @ad<"20040902"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:40 |
| S91 | 104  | S90 and(plurality or plural\$1) and(light or source or infrared adj light)                         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:41 |
| S92 | 0    | S91 and housing and placing adj(finger or fingerprint or finger adj print)                         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:42 |
| S93 | 13   | S91 and housing and placing and(finger or fingerprint or finger adj print or tip or fingertip)     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:42 |

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| S94 | 2 | S91 and authenticat\$3 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/01/24<br>15:49 |
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